

Kolon KOPA® KN333HRBL Heat Resistant Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Unreinforced

Material Notes:

Middle viscosity, BLACKApplications A variety of reservoir tanks and housingsInformation provided by API-Kolon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kolon-KOPA-KN333HRBL-Heat-Resistant-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ASTM D792
Moisture Absorption at Equilibrium	1.3 %	1.3 %	60% RH; ASTM D570
Linear Mold Shrinkage	0.011 - 0.013 cm/cm	0.011 - 0.013 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength	85.0 MPa	12300 psi	ASTM D638
Elongation at Break	40 %	40 %	ASTM D638
Flexural Strength	123 MPa	17800 psi	ASTM D790
Flexural Modulus	2.746 GPa	398.3 ksi	ASTM D790
Izod Impact, Notched	0.590 J/cm	1.11 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	70.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	38.9 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM D696
Melting Point	255 $\text{Å}^\circ\text{C}$	491 $\text{Å}^\circ\text{F}$	ASTM D1525
Deflection Temperature at 0.46 MPa (66 psi)	235 $\text{Å}^\circ\text{C}$	455 $\text{Å}^\circ\text{F}$	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	85.0 $\text{Å}^\circ\text{C}$	185 $\text{Å}^\circ\text{F}$	ASTM D648
Flammability, UL94	V-2	V-2	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.3	3.3	ASTM D150
Dielectric Strength	20.0 kV/mm	508 kV/in	ASTM D149
Arc Resistance	128 sec	128 sec	ASTM D495

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China